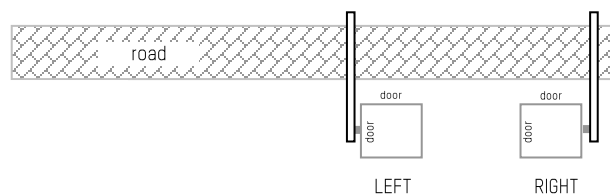


Rapid industrial rising gate with fence for vehicle access control at medium and wide access points: industrial sites, traffic management, etc.

Configurations



DESCRIPTION

1. **Operator Cabinet** made of Folded and welded sheet metal, ranging from 1/8" to 5/16" [3 to 8 mm] thick.
2. **Removal side and back panels** with peripheral sealing joint and lock, ensuring easy access to the mechanism (see illustration).
3. **Removable top cover**, with key lock.
4. **Left or Right round aluminum arm**, white lacquered with red reflective stripes. The arm is composed of segments of 3.93"-3.52"-3.29". [100-90-84 mm] (in diameter) that fit together to obtain lengths from 9.8' [3m] up to 23.1' [7m]. The arm is braced by galvanized steel cables for arm lengths of 21.4 ft [6.5m] and longer.
5. **An aluminum folding fence** is mounted on the arm.
6. **Solid drive shaft for the arm**, with a diameter of 2" [50 mm], mounted on 2 lubricated for life bearings.
7. **Electromechanical assembly:**
 - Reversible three-phase asynchronous gear motor, ensuring protection of the mechanism in the event of forced lifting of the arm due to fraud.
 - Secondary transmission via gearwheel and sprocket wheel. Maintaining the arm in its two extreme positions (open and closed), as well as after a STOP command is achieved by means of an electromagnetic brake.
 - Frequency inverter ensuring the progressive acceleration and controlled decelerations of the arm, for a vibration-free movement and enhanced protection of the mechanism.
 - Electronic limitation of the electromechanical assembly torque allowing for the immediate stop of the arm during closing in the event of an obstacle.
 - Inductive limit switches.
 - Balancing of the arm by means of one or more compression springs, depending on the length of the arm.
8. **Configurable AS1620 electronic control board** allowing for various control options and/or additional accessories. Among the features of the logic:
 - IP addressable
 - Configurable relays allowing the communication of different barrier status through dry contact.
 - Master-slave command allowing the control of 2 barriers facing each other (movement of one barrier controlled by the other barrier).

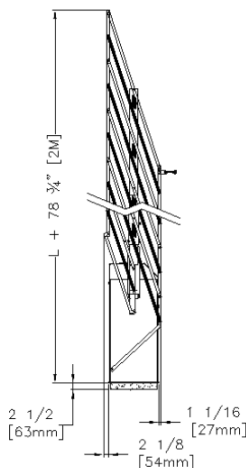
SURFACE TREATMENT

- Zinc-coated internal mechanical parts.
- Complete body (housing, cover and doors): corrosion resistant primer + powder coat paint (standard color: Orange RAL 2000)

STANDARD TECHNICAL CHARACTERISTICS

<i>Input power</i> ⁽¹⁾	120 VAC / 60 Hz (with ground)
<i>Consumption</i>	450 W (nominal) - 950 W (max. with biggest heater)
<i>Motor</i>	Three-phase 240 V / 250 W controlled by frequency inverter
<i>Transmission</i>	Reversible ring and pinion speed reducer, service factor 1.2
<i>Arm length (L)</i>	9.8 to 23.3 ft [3 to 7m] <i>Increments of 1.63 ft [0.5m]</i>
<i>Operating temperature</i>	-4°F to 122°F (-20°C to 50°C)
<i>Relative Humidity</i>	95% without condensation
<i>Wind resistance</i>	74.6 mi/h [120 km/h]
<i>Opening speed</i> ⁽²⁾	5.5 s
<i>Closing speed</i> ⁽²⁾	5.5 s
<i>Weight (without arm)</i>	550 lbs (250 kg)
<i>MCBF</i> ⁽³⁾	3,000,000 cycles <i>[with recommended maintenance]</i>

- (1) not to be connected to a floating network or to high impedance earthed industrial distribution network
 (2) adjustable through the control board
 (3) Mean Cycle Before Failure



OPTIONS

1. Automatic opening of the arm during power failure ^(a).
2. Standard adjustable tip support.
3. Electromagnetic tip support.
4. Support leg on fence.
5. STOP sign with a diameter of 300 mm.
6. Traffic lights on a post mounted on housing.
7. Traffic lights mounted on a standalone post.
8. Push-button box.
9. Key switch
10. Radio transmitter/receiver.
11. Detection loop.
12. Presence detector for inductive loops.
13. Photoelectric cell to open, close or automatically stop the barrier arm.
14. Photoelectric cell support post
15. AS1623 Input/Output extension board.
16. AS1049 board for third-party traffic signs.
17. Thermostatic 400W heating for operation down to -49°F [-45°C]
18. Red arm light.
19. Raised base.
20. Rotating base.
21. Isolation anti-corrosion base.
22. Other RAL colors available.
23. Extension of the fence over the barrier housing.
24. Smart Touch monitoring and control panel.

^(a)/_(b) Mutually incompatible options.

For restrictions on options please speak to your sales representative.

STANDARD DIMENSIONS (INCHES & MM)

Refer to the installation drawing for more details.

